



# THE MALTINGS ORGANIC TREATMENT

BIO-DEGRADABLE AND  
ORGANIC WASTE PROCESSING



The Maltings Organic Treatment facility is utilising a former John Smiths Brewery Malt House, converting the 130 year Maltings process into in-vessel composting for bio-degradable and organic waste.

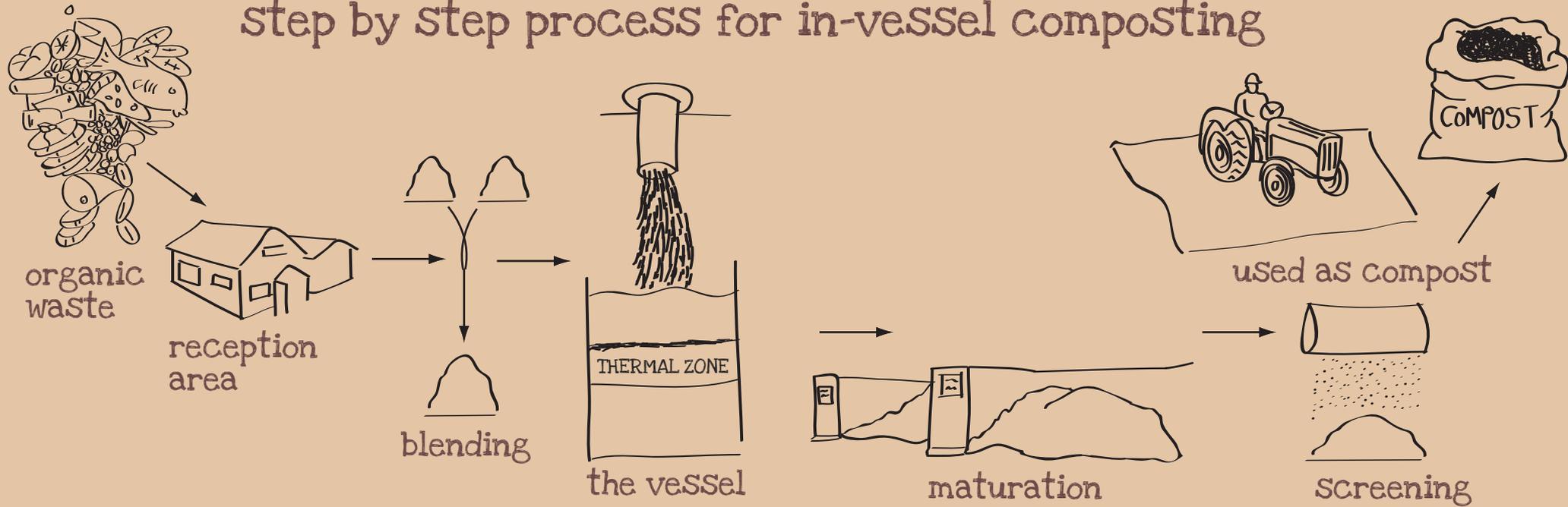


The Maltings recycle a diverse range of organic waste materials such as green waste, kitchen and catering waste, wood waste, fats and sludges, animal tissue, liquid waste, organic and bio-degradable material and has a current capacity to deal with 75,000 tons per annum. Depackaging systems and pre-processing systems are fully equipped to deal with packaged and contaminated material.



Composting provides a sustainable, green and natural answer to the treatment of biodegradable wastes, converting them into a quality soil conditioner returning valuable crop nutrients to the soil.

# step by step process for in-vessel composting



Organic waste, which comes from local authority waste collections, commercial and industrial sources, are collected or delivered to an enclosed reception area. It is then shredded to a uniform size and stored in an enclosed facility and blended to a set recipe. This helps kick start the composting process by creating the perfect environment for naturally occurring micro-organisms in the waste to break down the material, increasing the temperature to 70 degrees, the temperature required to kill pathogens and weed seeds, and comply with ABPR.

The blend is fed into the vessel which is an enclosed controlled environment, which further accelerates the process. This can take between five and seven days. The oxygen level, moisture and temperature are carefully monitored and controlled to ensure the material is fully sanitised. Once the sanitation process is complete, the compost is left to mature outside to ensure stabilisation.

Screening takes place pre or post maturation, to firstly remove contamination and then to produce a range of product grades suitable for various end users. The Matings will process to BSI PAS 100.

Some of the materials and services:

## WASTE

- Kitchen waste
- Redundant / out of date stock
- Bulk organics
- Sludges and liquids
- Packaged and heavily contaminated materials
- Animal by products waste
- waste woods
- Gypsum based materials
- Municipal waste

## SERVICES

- 50 ton weigh bridge
- wash down facilities
- In-vessel reactor
- Depackaging system
- Product screening and sizing
- Loading and unloading

The outputs generated are of different grades to suit the various waste types and end user.

## PAS100 Compost

Government standard for producing high quality compost product.

## AGRI COMPOST

Made specifically to local farm requirements, tested to farm standards by external labs in farm batches.

## CLO

Compost like output or off specification material, produced under normal compost criteria, stabilising the material and reducing the activity of the waste. It is used for landfill remediation works and capping.



We accept delivery of waste in many different vehicles, containers and mediums. We have unloading facilities for arctics, pallet materials, shipping containers, IBC'S, drums, dolavs, skips, tippers, tankers, sweepers and gully suckers.



By reducing biodegradable waste input into landfill, we are helping minimise methane emissions (a potent greenhouse gas).

In-vessel composting is a vital tool in the management of biodegradable municipal waste.



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